

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (currently amended) A method of service-chaining a client device request for service, ~~optimizing dissemination of information in a distributed environment, said method~~ comprising:

receiving a client device request for an application program at a first physical server ~~for at least one of an application program and data from a client;~~

~~retrieving at~~ determining with a service-chaining module of said first physical server an identity of a location of a second physical server within said a distributed environment that stores ~~storing said at least one of said application program and said data~~ associated with said client device request for said application program; and

transmitting ~~packaging a message object from said first physical server to said second physical server to enable said second physical server to directly service said client device request for said application program with data associated with said request for transmission to said second server; and transmitting said message object to said second server to allow said second server to directly service said client.~~

2. (currently amended) The method according to claim 1, further comprising:

receiving said message object at said second physical server; and

initiating ~~said a~~ servicing of said client device request for said application at said second physical server ~~in response to a determination of said second server as a provider of said at least one of said application program and said data.~~

3. (cancel)

4. (currently amended) The method according to claim 1, further comprising:

determining said identity of said second physical server ~~at least one of said application program and said data associated with said request~~ from a pre-defined profile; ~~determining if said second server is associated with said request;~~ and

selecting said second physical server from among a plurality of possible physical servers, said selected second physical server having ~~that is~~ within a most efficient path for transferring ~~each of said at one of~~ said application program ~~and said data~~ associated with said client device request for said application program ~~to said client.~~

5. (currently amended) The method according to claim 1, further comprising:

packaging said client device request for said application program and a storage location of ~~said at least one of~~ said application program ~~and said data providers~~ into an itinerary; and

forwarding said itinerary to said second physical server ~~associated with said request.~~

6. (currently amended) The method according to claim 5, further comprising:

completing a first service associated with said client device request for said application program, on said second physical server; and

initiating a second service from said second physical server in response to said completion of said first service.

7. (currently amended) A method of service-chaining a client device request for service, ~~optimizing dissemination of information in a distributed environment~~, the method comprising:

determining with a service-chaining module of [[at]] a first physical server a location of an identity of a second physical server within a distributed environment that stores a requested ~~at least one of an application program and data associated with a client device request for said application program from a client~~; and

transmitting a message object containing data associated with said client device request for said application program to ~~[[a]]~~ said second physical server;

wherein said second physical server is enabled to service said client device request for initiating a transfer of said at least one of said application program and said data from said second server directly to said client device that initially requested said application program from said first physical server in response to said determination of said location of said at least one of an application program and said data.

8-25. (canceled)